

In the claims:

All claims in the application are indicated below.

1-28. (Cancelled)

29. (Currently amended) A method of transferring digital data content from an information apparatus with a wireless communication unit to a wireless output device by short range wireless communication, the wireless output device being at least one of a printing device, an audio device and a display device other than a printing device

~~the content being previously stored locally at the information apparatus or downloaded from a server over a network to the information apparatus, wherein the information apparatus includes at least one wireless communication unit, the method comprising:~~

downloading the digital data content from a server over a network to the information apparatus;

opening a wireless communication channel at the wireless communication unit;

searching wirelessly for a wireless output device that is available for wireless connection;

receiving over the wireless communication channel from each wireless output device found in the search a device dependent attribute from each wireless device found in the search, the attribute corresponding to each that corresponds to each wireless output device found in the search and being includes at least one of a name, a device type, a device address number, a security code, and a device profile corresponding to each wireless device;

selecting a wireless output device found in the search based at least in part on the received device dependent attributes;

establishing a wireless connection with the selected wireless output device;

conforming, at the information apparatus, at least part of the digital data content into an output data, the conforming using at least in part the said device dependent attribute received from the selected wireless output device and over

the wireless communication channel, the output data comprising including at least one digital file encoded with a digital format that include the digital data content; and

transferring the output data over the wireless connection to the selected wireless output device ~~for rendering~~ for output.

30. (Currently amended) The method according to claim 29, further comprising, after ~~the selecting step~~ a wireless output device:

obtaining a security key at the information apparatus;

sending the security key to the selected wireless output device over the wireless communication channel for authentication;

receiving over the wireless communication channel at least an indication related to a successful security key authentication; and

utilizing the authenticated security key to establish secure wireless access to the selected wireless output device.

31. (Currently amended) A method of secure wireless transfer of digital ~~data content from an a mobile phone~~ information apparatus ~~with access to content~~ to a wireless output device by short range wireless communication, the content being stored locally at the mobile phone information apparatus or accessible over the Internet to the mobile phone information apparatus or downloadable from a server over a network to the mobile phone information apparatus, wherein the mobile phone information apparatus includes ~~at least one~~ a wireless communication unit, the method comprising:

opening obtaining over the wireless communication channel at least one attribute from each wireless output device found in the search, the attribute corresponding to each wireless output device found in the search including one or more of a name, a device type, a device address, and an device profile related to each of the wireless device;

selecting a wireless output device found in the search based at least in part on the received attributes;

obtaining a security key relating to the selected wireless output device at the mobile phone information apparatus;

sending the security key to the selected wireless output device over the wireless communication channel for authentication;

receiving over the wireless communication channel at least an indication related to a successful security key authentication;

establishing a ~~secured~~ secure wireless communication channel with the selected wireless output device;

conforming, at the mobile phone information apparatus, at least part of the content into an output data, the conforming being related at least in part to the attribute received from the wireless output device ~~and~~ over the wireless communication channel; and

transferring the output data over the secure wireless communication channel to the selected wireless output device.

32. (Currently amended) The method of claim 31 in which said security key ~~comprises~~ comprises at least one of a user name, password, ID number, signatures, security keys (physical or digital), biometrics, fingerprints, and a voice.

33. (Previously presented) The method of claim 31 in which the step of obtaining the said security key comprises inputting by the user or retrieving a key that was previously stored in the information apparatus.

34-38. (Cancelled)

39. (Currently amended) The method according to claim 29 in which the ~~network includes the Internet~~ wireless output device includes an audio device.

40. (Currently amended) The method according to claim 29 in which the information apparatus ~~being at least one of~~ includes a desktop computer, a laptop ~~computers~~ computer, a networked computer, a palmtop computer, a hand-held computer, a personal digital assistant, an Internet enabled mobile phone, a smart phone, an Internet appliance, ~~and or~~ a web pad.

41. (Currently amended) The method according to claim 29 in which the information apparatus further ~~include~~ includes a client application ~~that include~~ with one or more functionalities that include internet browsing, outputting content viewing, content selection, content creation, and content editing.

42. (Currently amended) The method of claim 29 in which the wireless communication unit ~~include~~ includes one or more of radio, infrared, cellular, ultrasonic, hydrophonic wireless communication.

43. (Currently amended) The method of claim 29 in which the wireless communication channel is compatible to a Bluetooth wireless protocol or one that is compatible to IEEE802.11 protocol.

44. (Currently amended) The method of claim 29 in which the device profile includes information related to at least one of a quality of service, a billing, a pricing, and a communication method.

45. (Previously presented) The method of claim 31 in which short range wireless communication channel is compatible to one of a Bluetooth or IEEE 802.11 standard protocol.

46. (Currently amended) The method of claim 31 in which wireless communication unit ~~include~~ includes one or more of radio, infrared, cellular, ultrasonic, hydrophonic wireless communication.

47. (Currently amended) The method according to claim 31 in which the ~~information apparatus being at least one of a desktop computer, a laptop computers, a networked computer, a palmtop computer, a hand-held computer, a personal digital assistant, an Internet-enabled mobile phone, a smart phone, an Internet appliance, and a web pad~~ digital content includes audio data.

48. (Currently amended) The method according to claim 31 in which the wireless output device is one of ~~a printing device~~, an audio device or a display device other than a printing device.

49. (Currently amended) The method of claim 31 in which the device profile includes information relating to one or more ~~information related to~~ of quality of service, billing, pricing, and communication method.

50. (Currently amended) A method of transferring digital data audio or video content from an information apparatus to a wireless output device by short range wireless communication, wherein the information apparatus includes a client application that enables user viewing or outputting of at least part of the said digital audio or video content with the information apparatus, the information

apparatus further includes at least one wireless communication unit, the method comprising:

- opening a wireless communication channel;
- searching wirelessly for a wireless device that is available for wireless connection;
- receiving over the wireless communication channel a device dependent attribute from each wireless device found in the search, the attribute corresponding to each wireless device found in the search and being one or more of a name, a device type, a device address number, a security code, and a device profile;
- selecting a wireless output device found in the search based at least in part on the received device dependent attributes;
- establishing a wireless connection with the selected wireless output device;
- conforming, at the information apparatus, at least part of the digital audio or video content into an audio or video output data, the conforming using at least in part the said device dependent attribute received from the selected wireless output device over the wireless communication channel, the audio or video output data ~~comprising~~ including at least one digital file encoded with a digital format that ~~include~~ includes the digital audio or video content; and
- transferring the audio or video output data over the wireless connection to the selected wireless output device for ~~rendering~~ outputting.

51. (Currently amended) The method according to claim 50 in which the information apparatus ~~being~~ includes at least one of a desktop computer, a laptop computers, a networked computer, a palmtop computer, a hand-held computer, an Internet enabled mobile phone, a smart phone, an Internet appliance, and a web pad.

52. (Currently amended) The method according to claim 50 in which the client application ~~accesses~~ accesses the digital audio or video content with an internet browser that enables ~~viewing and~~ downloading of the digital audio content over the internet.

53. (Currently amended) The method according to claim 50 in which the client application further ~~include~~ includes a audio or video content creation and or editing ~~function~~ for creating and or editing of the ~~said~~ audio or video content at the information apparatus.

54. (Currently amended) The method according to claim 50 in which the information apparatus includes a memory component and the audio or video content is stored locally in the memory component of the information apparatus, and the client application ~~accessing~~ accesses the digital audio or video content locally for sending to the output device over the wireless communication channel.

55. (Currently amended) The method according to claim 50, further comprising, ~~after the selecting step:~~

- obtaining a security key at the information apparatus;
- sending the security key to the selected wireless output device over the wireless communication channel for authentication;
- receiving over the wireless communication channel at least an indication related to a successful security key authentication; and
- utilizing the authenticated security key to establish secure wireless access to the selected wireless output device.

56. (Currently amended) The method according to claim 50 in which wireless communication unit ~~include~~ includes one or more of radio, infrared, cellular, ultrasonic, hydrophonic wireless communication.

57. (Currently amended) The method according to claim 50 in which the device profile includes information ~~related~~ relating to at least one of a quality of service, a billing, a pricing, and a communication method ~~information~~.

58. (Currently amended) The method according to claim 50 in which the output device is one of a ~~printing device~~, an audio device or and a display device other than a printing device.

59. (Currently amended) A computer readable medium containing software for transferring digital data content from an a mobile phone information apparatus to a wireless output device by short range wireless communication, the content being previously stored locally at the mobile phone information

apparatus or downloaded from a server over a network to the mobile phone information apparatus, wherein the mobile phone information apparatus includes ~~at least one~~ a wireless communication unit, the medium comprising:

software for opening a wireless communication channel from the mobile phone information apparatus;

software for searching wirelessly for a wireless device that is available for wireless connection;

software for receiving at the mobile phone information apparatus over the wireless communication channel a device dependent attribute from each wireless device found in the search, the attribute corresponding to each wireless device found in the search and being at least one of a name, a device type, a device address number, a security code, and a device profile;

software for selecting a wireless output device found in the search based at least in part on the received attributes, the output device being at least one of a printing device, an audio device and a display device;

software for establishing a wireless connection with the selected wireless output device;

software for conforming, at the mobile phone information apparatus, at least part of the content into an output data, the conforming using at least in part the ~~said~~ device dependent attribute received from the selected wireless output device and over the wireless communication channel, the output data ~~comprising including~~ at least one digital file encoded with a digital format that ~~include~~ includes the content; and

software for transferring the output data over the wireless connection to the selected wireless output device for rendering.